

eliminating frequency components of a frequency area around said fundamental frequency;  
and

levitating said body at a predetermined position by magnetic force generated by an electromagnet.

6. A method according to claim 5, wherein said electromagnetic bearing device has a power amplifier unit for supplying controlled current to said electromagnet, said controlled current being pulse width modulated; and a signal amplifier unit for amplifying signal before inputting to said power amplifier.

7. A method according to claim 6, wherein an eliminator is inserted between said signal amplifier unit and said power amplifier unit.

8. A method according to claim 6, wherein said power amplifier unit is provided with a pulse width modulation circuit which comprises a comparator for comparing an input signal with chopper wave signal, and said eliminator is connected at the front end of said comparator.

9. A method according to claim 6, wherein said status detector is an inductance type displacement sensor.

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cont

10. A method according to claim 6, wherein said eliminator is a band eliminator filter.

10. A method according to claim 6, wherein said eliminator is a band eliminator filter.

**REMARKS**

Claims 5-10 are pending in this application.

In view of the aforementioned amendments and accompanying remarks, claims 5-8 are in condition for examination, which action, at an early date, is requested.

In the event that this paper is not timely filed, Applicant respectfully petitions for an appropriate extension of time. The fees for such an extension or any other fees which may be due with respect to this paper, may be charged to Deposit Account No. 01-2340.

Respectfully submitted,

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Enclosure: Abstract of the Disclosure